If-Else Programming Questions

Basic Questions:

1. Write an if-else statement to check if a number is even or odd.

2. Write an if-else statement to check if a number is positive, negative, or zero.

3. Write an if-else statement to find the maximum of two numbers.

4. Write an if-else statement to determine if a character is a vowel or consonant.

5. Write an if-else statement to check if a given year is a leap year.

6. Write an if-else statement to check if a person is eligible to vote based on their age.

7. Write an if-else statement to find the smaller of two numbers.

8. Write an if-else statement to check if a given number is a multiple of 5.

9. Write an if-else statement to verify if a password meets the required conditions.

10. Write an if-else statement to check if a number is within a specified range.

Intermediate Questions:

11. Write an if-else statement to determine the quadrant of a point in the Cartesian plane.

12. Write an if-else statement to check if a number is divisible by both 2 and 3.

13. Write an if-else statement to categorize a number as positive, negative, or zero.

14. Write an if-else statement to compute the absolute value of a number.

15. Write an if-else statement to validate a date input by the user.

16. Write an if-else statement to calculate the fare for a taxi ride based on distance traveled.

17. Write an if-else statement to categorize an angle as acute, obtuse, right, or straight.

18. Write an if-else statement to determine the type of triangle based on its side lengths.

19. Write an if-else statement to convert temperature from Celsius to Fahrenheit or vice versa.

20. Write an if-else statement to calculate the grade of a student based on their score.

Advanced Questions:

21. Write a nested if-else statement to classify a person into different age groups (child, teenager, adult, senior).

22. Write an if-else statement to simulate a basic calculator with addition, subtraction, multiplication, and division.

23. Write an if-else statement to find the roots of a quadratic equation.

24. Write a nested if-else statement to categorize a person's income level (low, middle, high) based on income ranges.

25. Write an if-else statement to validate a username and password based on predefined rules.

26. Write an if-else statement to perform different actions based on the user's choice in a menu-driven program.

27. Write a nested if-else statement to determine the type of account (savings, checking) and apply corresponding operations.

28. Write an if-else statement to determine the final price of a product after applying discounts based on customer type.

29. Write an if-else statement to categorize a number as a prime or composite.

30. Write an if-else statement to validate and format a user-entered phone number.

31. Write an if-else statement to calculate the BMI and determine the health category.

32. Write an if-else statement to simulate a simple login system that locks the user out after 3 failed attempts.

33. Write a nested if-else statement to process a shopping cart and apply discounts based on the total amount.

34. Write an if-else statement to check if a string is a palindrome.

35. Write an if-else statement to calculate the area and perimeter of different shapes based on user input.

36. Write an if-else statement to classify an employee based on their years of service.

37. Write an if-else statement to determine if a number is an Armstrong number.

38. Write an if-else statement to handle file operations based on user input (create, read, update, delete).

39. Write an if-else statement to simulate a basic banking system with options to deposit, withdraw, and check balance.

40. Write an if-else statement to categorize a movie rating based on the age of the viewer.

41. Write an if-else statement to perform different mathematical operations based on user input.

42. Write an if-else statement to determine the eligibility for a scholarship based on grades and extracurricular activities.

43. Write an if-else statement to determine the winner of a rock-paper-scissors game.

44. Write an if-else statement to categorize a list of words into those that start with a vowel and those that don't.

45. Write an if-else statement to implement a basic grading system where different grades have different ranges.

46. Write an if-else statement to simulate a turn-based game where two players take turns and the winner is determined based on points.

47. Write an if-else statement to calculate the interest rate based on the type of account and deposit amount.

48. Write an if-else statement to validate input in a form (e.g., email, phone number, etc.).

49. Write an if-else statement to determine if a number is a perfect square.

50. Write an if-else statement to simulate a simple traffic light system with conditions for green, yellow, and red lights.